

XP-002101841

1/1 - (C) WPI / DERWENT  
AN - 92-429826 q32!  
AP - JP910122739 910424  
PR - JP910122739 910424  
TI - Polyester porous film for medical materials - prepd.  
from copolymer contg. 3- and 4-hydroxybutylate by  
controlling drying rate of solvent  
IW - POLYESTER POROUS FILM MEDICAL MATERIAL PREPARATION  
COPOLYMER CONTAIN HYDROXY BUTYLATE CONTROL DRY RATE  
SOLVENT  
PA - (JAPG ) NIPPON ZEON KK  
PN - JP4326932 A 921116 DW9252 B01D71/48 006pp  
ORD - 1992-11-16  
IC - B01D71/48  
FS - CPI  
DC - A23 A88 A96 D16 D22 U01  
AB - J04326932 The film is produced by flowing a soln. of  
polyester copolymer having 3-hydroxybutylate unit (3  
HB) and 4-hydroxybutylate unit (4 HB), and controlling  
the drying rate of the solvent. The steam permeability  
of the film is at least 0.5 kg/m2/2 hrs.  
- USE/ADVANTAGE - No mixing of additives and does not  
change its polymer material by heating. Useful for  
medical materials.  
- In an example, a 3 HB - 4 HB copolymer was produced by  
using Alcaligenese utruphus (ATCC 17699). It was  
dissolved in chloroform and poured into a glass dish.  
The air drying rate of solvent was controlled by the  
temp. and closure degree of the cover of the glass  
dish. The film obtd. was flaked from the dish and  
vacuum dried at room temp. for 24 hours. When 3 w/v %  
polymer 45 ml was used and dried for 3 days, the film  
obt'd. was 280 microns thick and its steam permeability  
was 2.50 kg/m2/24 hrs. (Dwg.0/2)

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